

ABSTRACT OF THE DISCLOSURE

An apparatus has a pixel that includes (i) a buffer transistor having an input, (ii) first and second capacitive storage elements each of which selectively can be coupled to the input of the buffer transistor, and (iii) a photosensitive element having an output which selectively can be coupled to the input of the buffer transistor. A readout circuit selectively can be coupled to an output of the buffer transistor. A first signal level, sensed by the photosensitive element, can be stored by the first capacitive storage element, and a second signal level, sensed by the photosensitive element, can be stored by the second capacitive storage element. The first and second signal levels can be read out from the pixel.

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